



Sheet 1 of 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTORNEY DOCKET NO.	APPLICATION NO.
	1761.1090	10/579,567
	FIRST NAMED INVENTOR	
	Naoki NAKAGAWA et al.	
	FILING DATE	GROUP/ART UNIT
	May 17, 2006	3745

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	1,350,263	08/17/1920	Palmgren			
	AB	4,557,613	12/10/1985	Tallian et al.			
	AC	4,828,404	05/09/1989	Takata			
	AD	4,916,750	04/10/1990	Scott			
	AE	4,929,098	05/29/1990	Takata et al.			
	AF	6,116,785	09/12/2000	Kondo et al.			
	AG	6,296,395 B1	10/02/2001	Brand et al.			
	AH	2003/0198416 A1 (6,814,494)	10/23/2003 (11/09/2004)	Borowski et al. (Borowski et al.)			
	AI	2007/0127858 A1	06/07/2007	Nakagawa et al.			
	AJ	5,145,267	09/08/1992	Takata et al.			
	AK	3,910,656	10/07/1975	Price			
	AL	4,227,754	10/14/1980	Kellström			
	AM	4,345,800	08/24/1982	Hofmann et al.			

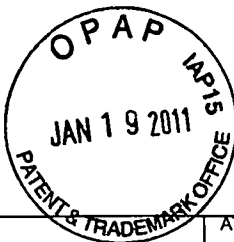
6,814,494 11/9/2004 Borowski et al.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AN	04-039414	02/10/1992	Japan		X	X
	AO	2004-245251	09/02/2004	Japan		X	X
	AP	2004/027277 A1	04/01/2004	PCT	X		X

EXAMINER /Christopher Verdier/	DATE CONSIDERED 03/04/2011
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

note: US 6,814,494 is listed separately from its corresponding Published Patent Application.

**ATTACHMENT 1(e)**
**EXPLANATIONS OF RELEVANCY
OF REFERENCES**

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- Please note that JP 2004-011737 A, GB 539,502, and GB 139,512 were cited in the U.S. Office Action mailed March 25, 2010 in related U.S. Patent Application 11/663,162 and were submitted in a previous Information Disclosure Statement filed May 17, 2006 with the New Application.
- Please note that JP 61-171917 A and US 5,145,267 were cited in the U.S. Office Action mailed March 25, 2010 in related U.S. Patent Application 11/663,162 and were submitted in a previous Information Disclosure Statement filed July 23, 2007.
- Please note that JP 2000-356218 A was cited in the U.S. Office Action mailed March 25, 2010 in related U.S. Patent Application 11/663,162 and was submitted in a previous Information Disclosure Statement filed October 23, 2007.
- Please note that JP 2004-245251 A, US 3,934,957, and GB 2,371,603 A were cited in the U.S. Office Action mailed March 25, 2010 in related U.S. Patent Application 11/663,162 and were submitted in a previous Information Disclosure Statement filed February 1, 2008.
- Please note that JP 10-184677 A, JP 2004-019731 A, JP 2002-147449, JP 2003-130057 A, and JP 01-224523 were cited in the U.S. Office Action mailed March 25, 2010 in related U.S. Patent Application 11/663,162 and were submitted in a previous Information Disclosure Statement filed April 16, 2010.
- Please note that US 2005/0148425 A1 was also cited in the U.S. Office Action mailed March 25, 2010 in related U.S. Patent Application 11/663,162 and was previously cited in the Examiners first Office Action in the present case.



ATTACHMENT 1(g)

LIST OF ADDITIONAL SUBMITTED DOCUMENTS	ATTORNEY DOCKET NO.	APPLICATION NO.
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	FILING DATE	GROUP ART UNIT
	May 17, 2006	3745

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of document(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			TRANSLATION	
			YES	NO
	BA	U.S. Restriction Requirement mailed January 22, 2010 in related U.S. Patent Application 11/663,162		
	BB	U.S. Office Action mailed March 25, 2010 in related U.S. Patent Application 11/663,162		
	BC	U.S. Office Action mailed September 14, 2010 in related U.S. Patent Application 11/663,162		
	BD	U.S. Notice of Allowance mailed December 15, 2010 in related U.S. Patent Application 11/663,162		

EXAMINER	/Christopher Verdier/	DATE CONSIDERED	03/04/2011
*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			